



# Map & Photo Legend

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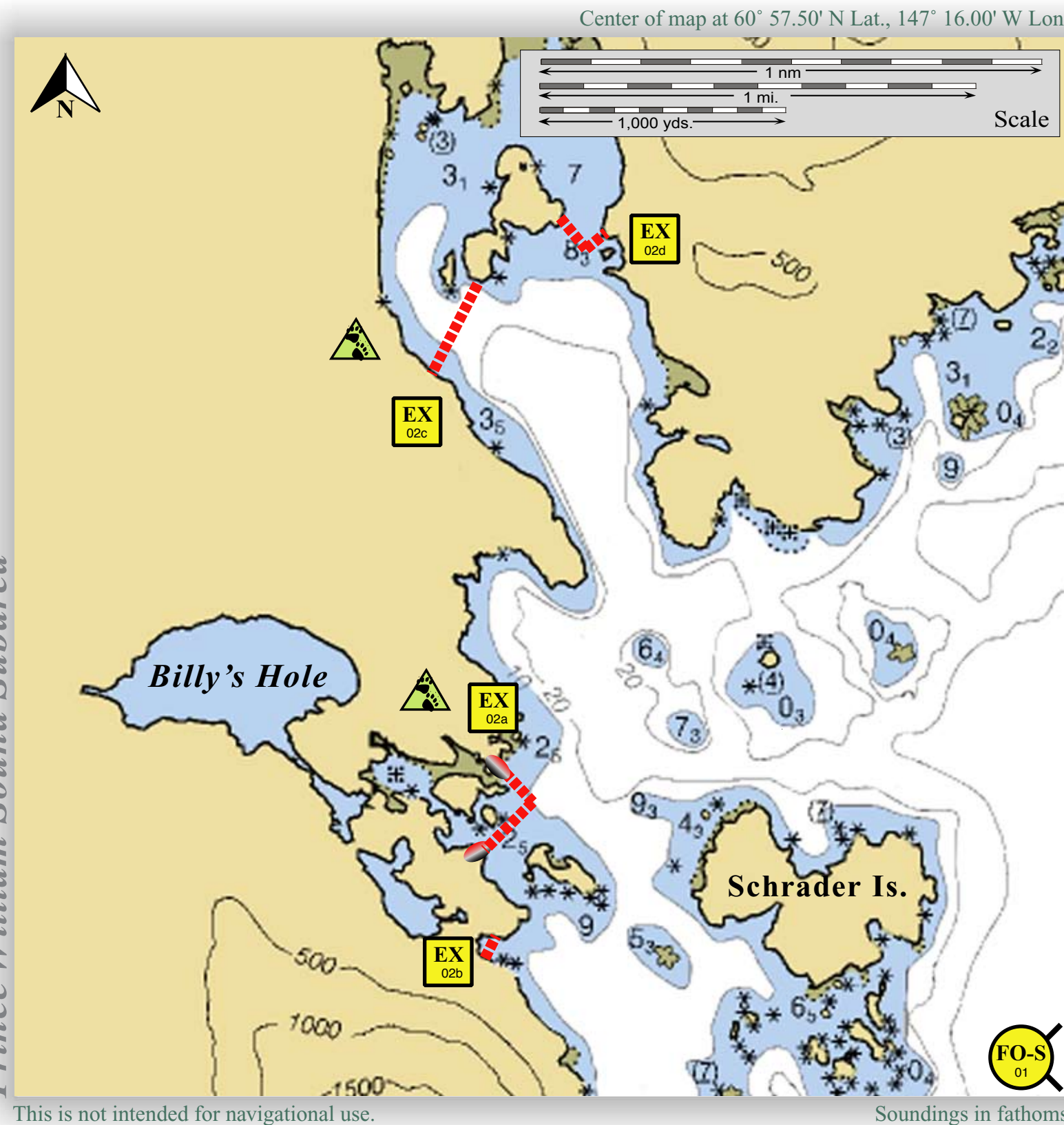
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-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Protected-water Boom
-  Tidal-seal Boom
-  Bears in Area, Guards Recommended

## Geographic Response Strategies for Prince William Sound Subarea

### Left Arm-Long Bay/Billy's Hole, PWS-NW-23



ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
PWS NW-23-01 	<b>Left Arm of Long Bay</b> Nearshore waters in the general area of:  Lat. 60°58.03'N Lon. 147°15.48'W	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment of Long Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Long Bay.  Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Valdez	Via marine waters  Chart 16711-1	Same as NW-23-02	Vessel master should have local knowledge.  Use extreme caution, shoal waters with numerous reefs and rocks.
PWS NW-23-02 	<b>Left Arm of Long Bay &amp; Billy's Hole</b>  a. Lat. 60°57.97'N Lon. 147°16.74'W  b. Lat. 60°57.67'N Lon. 147°16.88'W  c. Lat. 60°59.06'N Lon. 147°17.17'W  d. Lat. 60°59.22'N Lon. 147°16.51'W	<b>Exclusion</b> Exclude oil from impacting the indicated salmon streams and intertidal areas.	Deploy anchors and boom with skiffs (class 6) at high tide.  For (a) place 120 ft. of tidal-seal boom on each shore and complete the array with 2500 ft. of protected-water boom in a chevron pattern in front of the stream mouth and intertidal area.  For (b) place 200 ft. of protected-water boom across the stream.  For (c) extend 2000 ft. of protected-water boom across the channel to the center island.  For (d) place 1000 ft. of protected-water boom in a chevron pattern across the channel.  Tend throughout the tide.	<b>Deployment Equipment</b> 5700 ft. protected-water boom 240 ft. tidal-seal boom 18 ea. anchor systems 16 ea. anchor stakes <b>Vessels</b> 1 ea. class 3 2 ea. class 6 <b>Personnel/Shift</b> 7 ea. vessel crew/general techs <b>Tending Vessels</b> 1 ea. class 3 1 ea. class 6 <b>Personnel/Shift</b> 3 ea. vessel crew/general techs	Vessel platform	Via marine waters  Chart 16711-1	Fish- intertidal spawning- salmon (May-Sept.)  Birds-waterfowl concentration  Marine mammals- otters, seals  Habitat- marsh, sheltered rocky shoreline  Human use- commercial fishing, sport fishing, high recreational use.	Vessel master should have local knowledge.  Site surveyed 6/17/09 by PWS Tactics Committee  Title 16 Fish Habitat Permit required from ADF&G.  A population of bears is present during salmon runs. A bear guard is required.  Tested: not yet